



Clark County Influenza Surveillance Update

2015-2016 Season Summary

LAST REPORT OF 2015-2016 SEASON

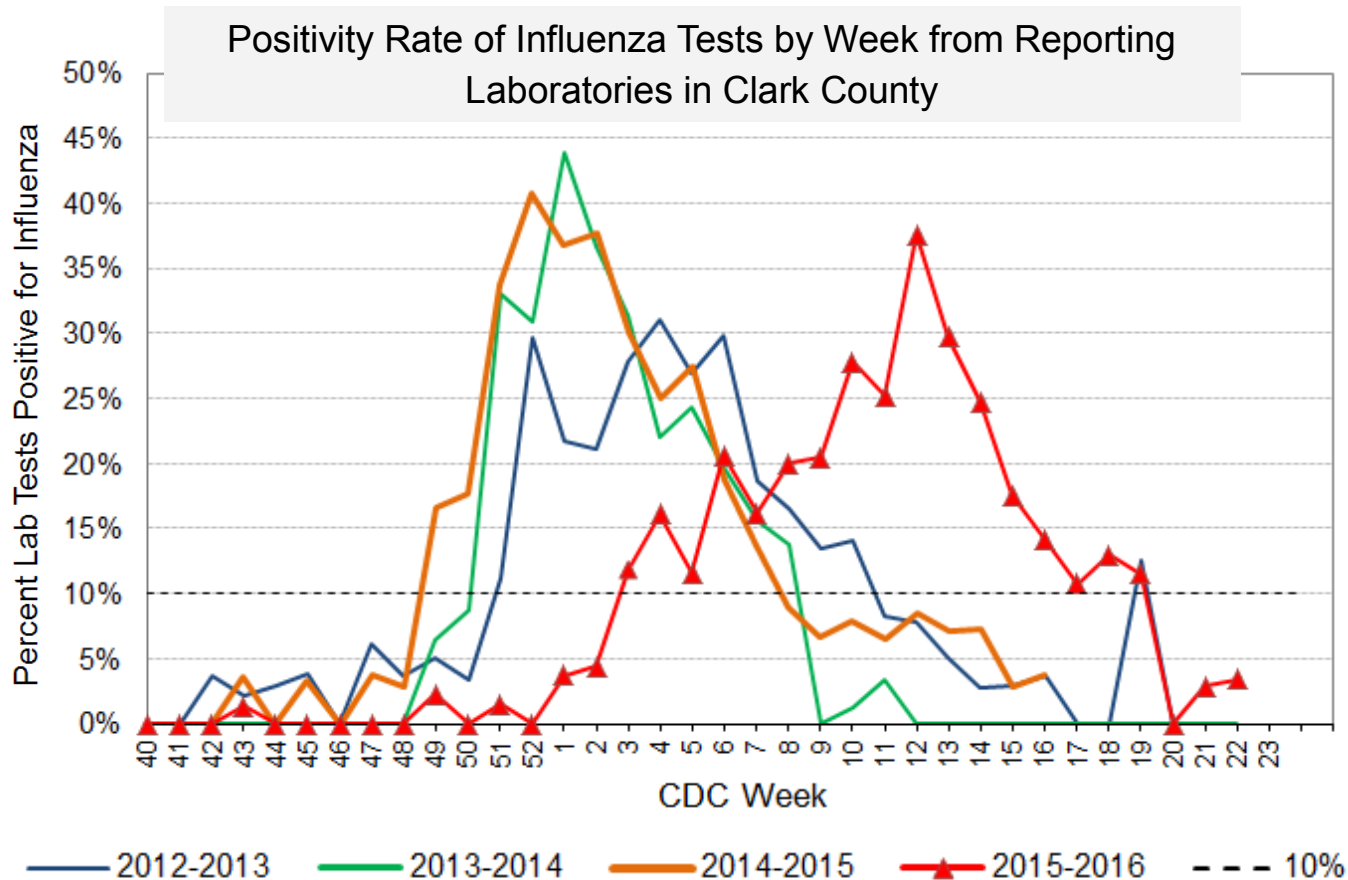
All data are preliminary and may change as more reports are received

Summary

- In Clark County there were at least 485 lab-confirmed influenza cases reported, 4 influenza outbreaks in Long-Term Care Facilities, and 7 influenza-associated deaths.
- H1N1 was the most characterized strain by CDC (56.1%), followed by H3N2 (13.4%). Most H3N2 samples were the A/Switzerland strain, which was included in the seasonal vaccine.
- The seasonal vaccine was a good match to circulating viruses, and was estimated to be 59% effective. In practical terms, this means the flu vaccine reduced a person's risk of having to seek medical care at a doctor's office for flu illness by 59%.
- The period of high influenza activity started in late January, peaked in early April, and lasted approximately 17 weeks.

Laboratory Data from Reporting Laboratories

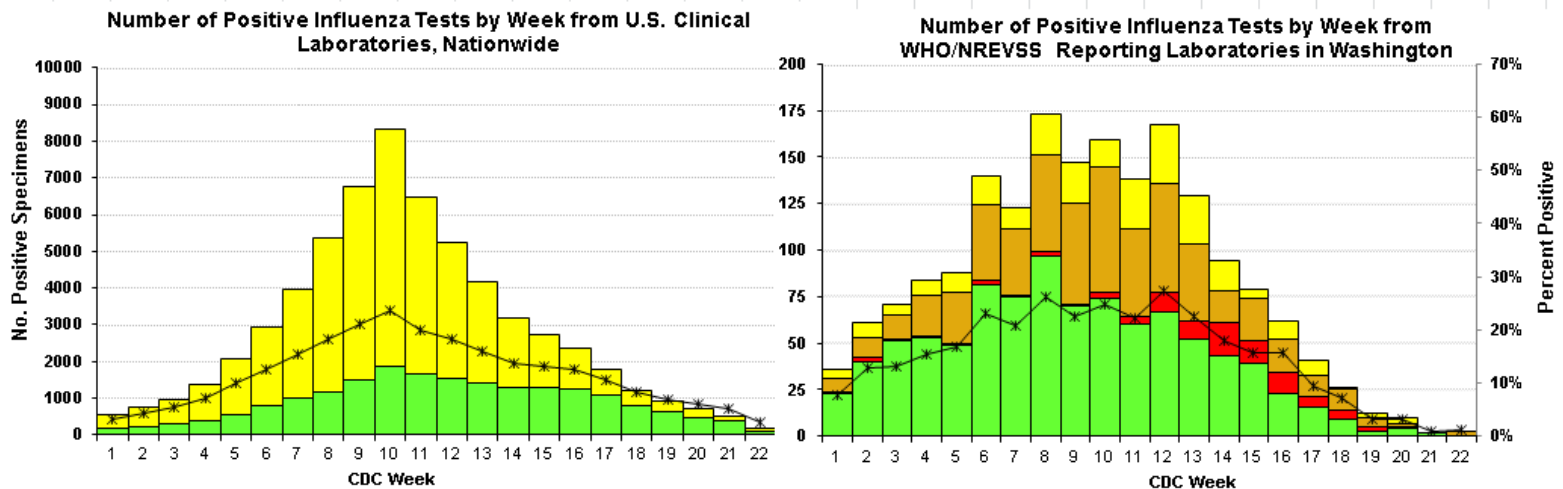
The positivity rate is the percent of influenza tests done by reporting laboratories* for this influenza season that are positive. Historically, the CDC has used $\geq 10\%$ positivity to define flu seasons for modeling studies and for calculating influenza-like-illness baselines.



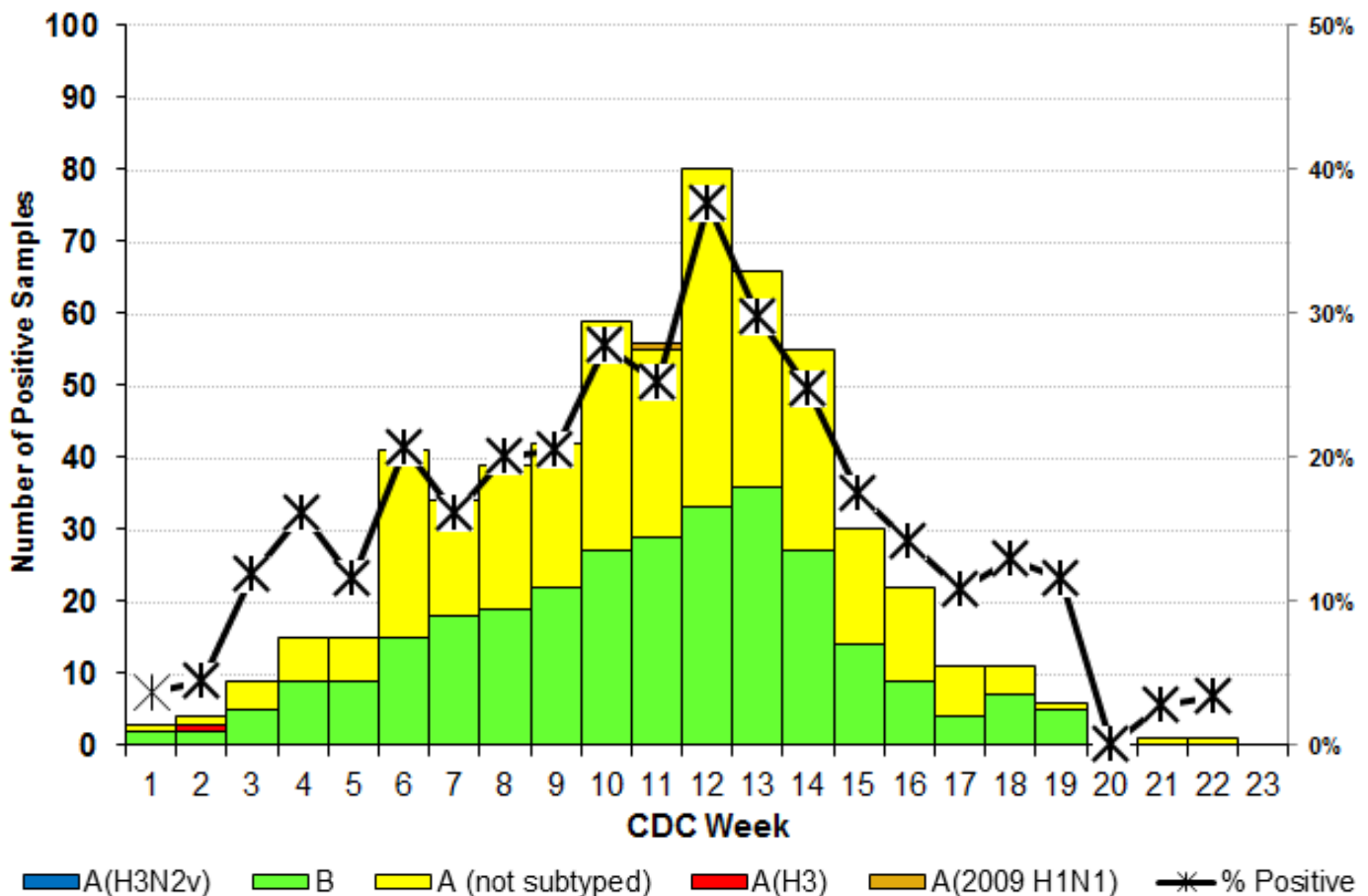
*Kaiser Permanente, Legacy Health, PeaceHealth

Circulating Strains from Reporting Laboratories

Reporting laboratories also report what strain of influenza came back positive. The colored bars represent how much of each strain of influenza is being reported while the black line is the percent of reported lab tests being positive. Below are summaries of national, state, and local influenza test results by CDC week.



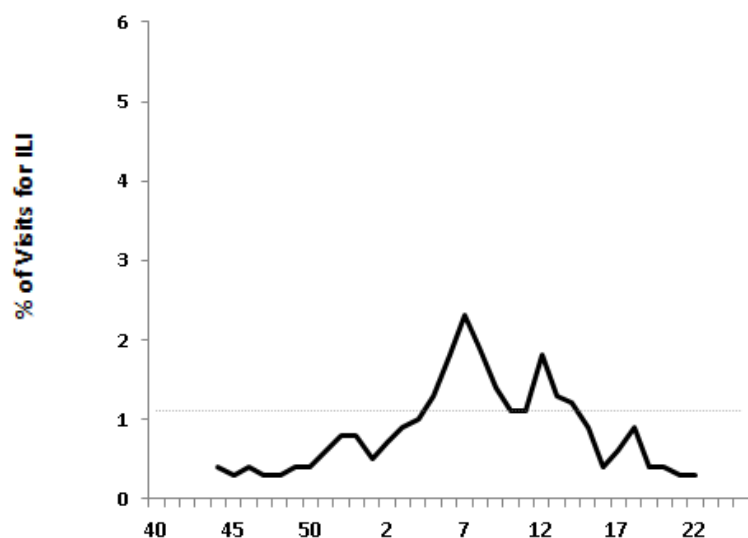
Number of Positive Influenza Tests by Week from Reporting Laboratories in Clark County



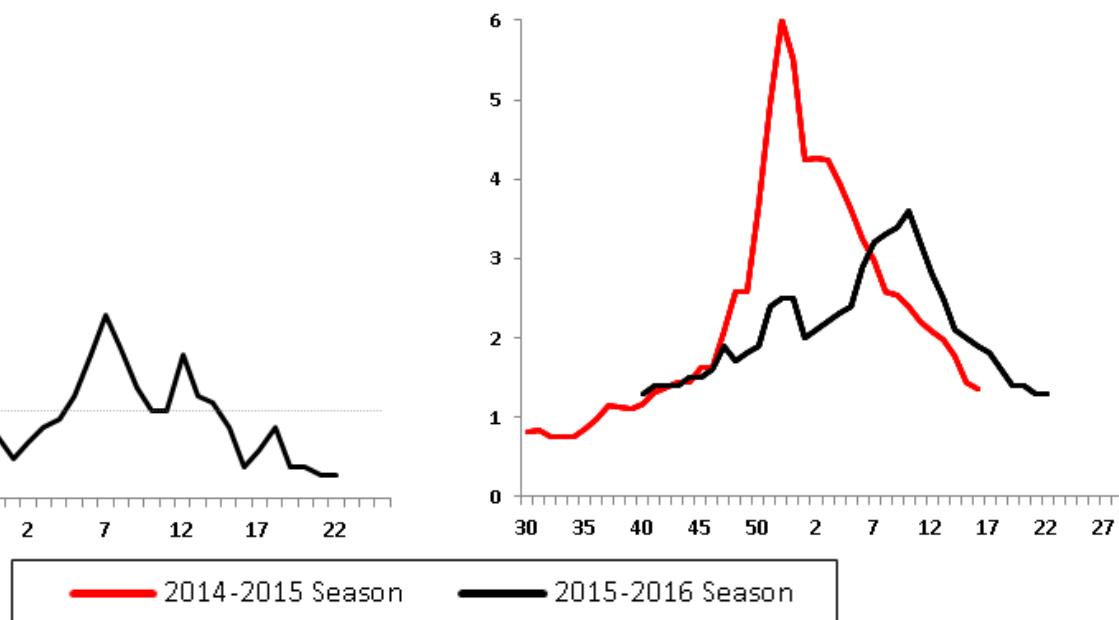
Influenza-like-Illness (ILI)

Sentinel Provider Data are the percent of patient visits to a clinic that meet the case definition for influenza-like illness (ILI). ILI is defined as fever $\geq 100^{\circ}\text{F}$ or 37.8°C (oral or equivalent) AND cough and/or sore throat (in the absence of a known cause other than influenza). Below are national and Washington State ILI visit percentages for the 2015-2016 season.

Percentage of ILI Visits Reported by Sentinel Providers, Washington, 2015-2016

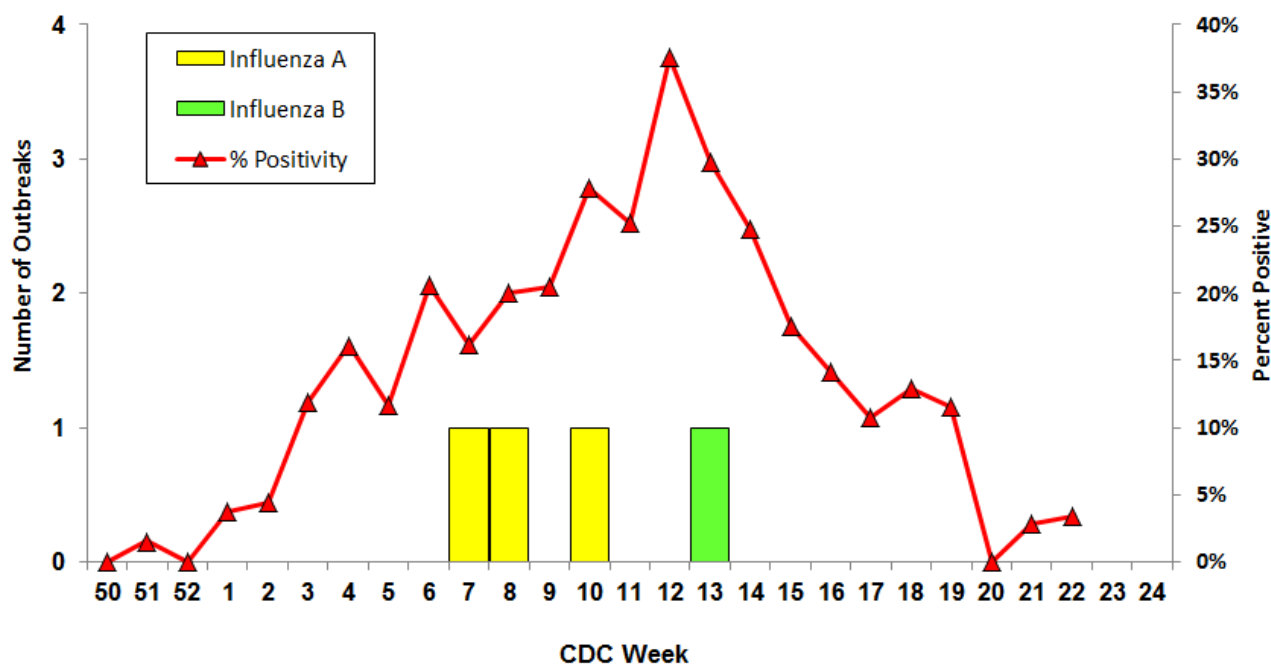


Percentage of ILI Visits Reported by Sentinel Providers, Nationally, 2014-2016



Influenza Outbreaks in Long-Term Care Facilities

Influenza Outbreaks at Long-Term Care Facilities by CDC Week, Clark County, 2015-2016



Influenza Vaccine Composition

During the 2015-2016 season the trivalent influenza vaccine was composed of the following components:

- A/California/7/2009
- A/Switzerland/9715293/2013
- B/Phuket/3073/2013

The Food and Drug Administration's Vaccines and Related Biological Products Advisory Committee (VRBPAC) [met on March 4, 2016](#) and unanimously recommended the following components for the 2016-2017 trivalent influenza vaccine:

- A/California/7/2009
- A/Hong Kong/4801/2014 (H3N2)-like virus
- B/Brisbane/60/2008

Acknowledgements

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